

Date: Sun, 17 Oct 93 01:31:05 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1232
To: Info-Hams

Info-Hams Digest Sun, 17 Oct 93 Volume 93 : Issue 1232

Today's Topics:

 BESTIALITY AMATEUR RADIO FRATERNITY (BARF)
 Cordless phone Band????
 GAY INTERNATIONAL HAM RADIO CLUB
 Looking for Memphis area hams
 magnetic fields from gear
 Message not deliverable
 Problems charging after market battery with Yaesu NC-15 charger
 This loving community of hams...
 US License Examination Opportunities Scheduled 10/14/93 to 1/13/94

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sun, 17 Oct 1993 05:03:38 GMT
From: news.Hawaii.Edu!uhunix3.uhcc.Hawaii.Edu!jherman@ames.arp
Subject: BESTIALITY AMATEUR RADIO FRATERNITY (BARF)
To: info-hams@ucsd.edu

In article <CF0uJK.D3A@murdoch.acc.Virginia.EDU> jeg7e@livia.acs.Virginia.EDU (Jon Gefaell) writes:

>In article <CF0oA6.5Du@news.hawaii.edu>,

>Jeff Herman <jherman@uhunix3.uhcc.Hawaii.Edu> wrote:

>

>One thing that is glaringly obvious about you sir, is your overwhelming
>pre-occupation with Homosexuality and your intense desire to show to us the
>distance which you would like us to believe you stand from it.

>

>Is there some adolescent incident(s) you've not fully worked your way through
>or something?

Ah yes, a common technique of folks who can not defend their stance is
to try to strike out offensively with empty accusations.

>
>>Jeff NH6IL (back in the days when we only kissed our pets: WA6QIJ)
>
>Methinks the lady doth protesteth too much... *snap*
>
>Moo
>--

I didn't bring the subject up - someone else did. Just because I don't
back down like those who are in tenuous positions must doesn't mean I
have an overwhelming pre-occupation with the topic. If you're going to
try to force YOUR pre-occupation with it upon us, then I'll certainly
react. Months ago you were forcing the issue upon us; I only reacted then.

One very important point I would like to make to everyone is I hate
no one; but I can dislike a person's actions or activities.

Jeff

P.S. My mailbox has been flooded with the funniest responses! Thanks
everyone. The silent majority speaks! (I think Nixon said that...)

Date: Sun, 17 Oct 1993 07:32:00 GMT
From: usc!howland.reston.ans.net!agate!iat.holonet.net!bwilkins@network.ucsd.edu
Subject: Cordless phone Band????
To: info-hams@ucsd.edu

trier@odin.ins.cwru.edu (Stephen C. Trier) writes:
: In article <931008.224126.6M7.rusnews.w165w@hades.cdp.org>,
: Tony Pelliccio <system@hades.cdp.org> wrote:
: >It's not like we really utilize the 33cm band to it's full potential
: >but it's still sad to see it go.
:
: It doesn't have to go. One could always fight spread spectrum with
: spread spectrum.
:
: No, I'm not holding my breath waiting for it. :-)
:
: Stephen

My frequency hopper will beat your ss any day. Makes fm seem like cw ;)

This is not the band for clueless techs...the new technology is here, lets use it. If you want to talk fm stay on 2meters. This is the only band where the new modulation techniques are primary. We can use it but we are forth in line and may not cause interference to those commercial users who have allways had higher standing. What are they doing? ss and hoppers.

Part 15 devices are just below us in the pecking order. Those devices can run up to one watt in ss mode. How would you like one of those on the input of your fm repeater? Why not join em?

--

Bob Wilkins n6fri voice 440.250+ 100pl san francisco bay area
bwilkins@cave.org packet n6fri @ n6eeg.#nocal.ca.usa.na

Date: Sun, 17 Oct 1993 04:50:56 GMT
From: amd!amdahl!netcomsv!netcom.com!jfh@decwrl.dec.com
Subject: GAY INTERNATIONAL HAM RADIO CLUB
To: info-hams@ucsd.edu

dbledsoe@netcom.com (Donnelly R. Bledsoe) wrote:

>However, even though LARC's talented men and women are making
>significant contributions to the growth and development of radio,
>electronic and computer technology, LARC has not been welcomed
>into the amateur radio community in the United States. Efforts to
>publicize the existence of the club and thereby expand the
>membership have been frustrated by the one and only professional
>organization representing the ham radio community,

I'm not sure what you mean by "professional organization" or how it relates to an "amateur" hobby, but W5YI and Newsline both covered the lawsuit recently.

> the American
>Radio Relay League. The 150,000 member strong League has refused
>since 1985 to allow LARC to advertise its existence in _QST_
>magazine, the ARRL's membership journal.

Did they publish the ads before 1985? I've heard different stories about this.

>In fact, only one of the three major monthly publications
>covering the amateur radio hobby currently permits LARC to
>advertise.

Which is that? I had the impression that 73 took the ads and one time, but
had decided to stop.

>AND NONE HAS EVER COVERED LARC FROM A HUMAN INTEREST
>POINT OF VIEW OR EVEN ONCE PUBLISHED A DESCRIPTIVE PROFILE OF
>LARC. Unfortunately, we've also been unable to convince the
>national gay and lesbian media to run a feature on our club.

Wasn't there an article about LARC Golden Gate in one of the local
papers?

Has anyone ordered the ARRL publication guidelines, written a story, and
sent it in to QST?

>But the story gets even worse! Two editors of ham radio
>publications have attacked LARC in print, one as recently as
>in the September, 1993 issue of his magazine!

Go ahead, name names. Who besides Wayne Green?

--

Jack Hamilton POB 281107 SF CA 94128 USA
jfh@netcom.com kd6ttl@w6pw.#nocal.ca.us.na

Date: Sun, 17 Oct 93 02:55:45 EST
From: news.centerline.com!noc.near.net!news.delphi.com!usenet@uunet.uu.net
Subject: Looking for Memphis area hams
To: info-hams@ucsd.edu

Craig,

I am located in Memphis and work for FEDEX. I pass my tech exam bout 5 weeks
I have a Ten-Tech which I am
not able to use until I upgrade but working on my code 2 to 3 hours each day.

I am very interested in getting to know other hams in the Memphis area.

Drop me a line sometime.

Phil

Date: 17 Oct 1993 05:10:40 GMT
From: library.ucla.edu!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!
moe.ksu.ksu.edu!crcnis1.unl.edu!unlinfo.unl.edu!mcduffie@network.ucsd.edu
Subject: magnetic fields from gear
To: info-hams@ucsd.edu

rbarnaby@world.std.com (Richard L Barnaby) writes:

>rfeldber@pearl.tufts.edu writes:

>>I am thinking about getting back on the air after a ten year absence. However,
>>I am a bit concerned about magnetic fields coming off my gear. My old Kenwood
>>TS-520s used to throw a relay on my furnace a full 30 feet away from the rig!
>>I never thought about it at the time, but now it gives me some pause. Is the
>>new
>>gear any better? Are there some rigs better than others? I would appreciate any
>>comments direct to my E-mail address, since I rarely get into this newsgroups.
>>Thanks for the help
>>Ross F.

>Any responders please respond to this thread, or email me as well. Tx.
>Richard L. Barnaby rbarnaby@world.std.com AA1??

Magnetics from your old 520 had nothing to do with your furnace relay.
RF actuated it. No magnetics would escape the case.

Gary

Date: 17 Oct 93 08:18:13 GMT
From: news-mail-gateway@ucsd.edu
Subject: Message not deliverable
To: info-hams@ucsd.edu

Info-Hams Digest Sat, 16 Oct 93 Volume 93 : Issue 1230

Today's Topics:

(none)

Avaiable 920 MHz Transceivers??

CFA (Cross-Field-Antenna) co-inventor fights back

Imminent Death of Ham

Imminent Death of Ham Radio: 2m HT in Penney's Christmas Catalog

magnetic fields from gear

Need 10 codes list....
Need 16key touch tone pad
Newsline #842

RACES Bulletin #296
Sources for Newsline Prog
Sources for Newsline Program?

The Computer Police (was Re: Turning in RFI generating PC's to FCC

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

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herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 16 Oct 93 16:42:44 GMT
From: news-mail-gateway@ucsd.edu
Subject: (none)
To: info-hams@ucsd.edu

> ARRL Bulletin 101 ARLB101
> From ARRL Headquarters Newington CT
> October 6, 1993

> Calling all scouts. This year's Jamboree On The Air, JOTA,
> will begin at 0000 hours local time, Saturday, October 16,
> and end at 2400 local time, Sunday, October 17. World Scout
> Frequencies for phone are 3740, 3940, 7090, 14290, 18140,
> 21360, 24960 and 28990 kHz....

Salt Lake City Tribune had a great article Sunday Oct 10,
generated by a local ham's inquiry to the paper, that told about
the JOTA, and specifically invited the general public with short-
wave receivers to tune in and see what was going on. Frequencies
were listed in the article.

Seems to me that this was one of the best ways I've ever seen for
getting the public interested in amateur radio. How many other
clubs have put out publicity suggesting that the general public
listen in for a specific purpose, and telling them how?

Paul Marsh Omaha N0ZAU

Date: Sat, 16 Oct 1993 13:18:33 GMT
From: library.ucla.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!emory!
wa4mei!ke4zv!gary@network.ucsd.edu
Subject: Avaiable 920 MHz Transceivers??
To: info-hams@ucsd.edu

In article <9310151450.AA25067@hazeltine.com> ljr9282@hazeltine.com (Leonard Rosenblum) writes:

>I read several opinions that the 902-928 MHz band is under-utilized.

>

>I would like to experiment with the band. There is even a local
>repeater. However, most commercial ham gear is for 2m/440 with
>some 220 and 1240.

>

>Does anyone in net.land know the latest and greatest commercial
>off the shelf transceivers with 902-928 Mhz coverage?

As far as I know, there are none. If you're willing to fight off Motorola's lawyers, you can modify the firmware on some of their 800 MHz radios and use them. If you're really good, you can hack a cellphone to work. The best course though is to use a 2 meter radio through a transverter, like the ones made by SSB Electronics. Driven by a HT class 2 meter rig, these units will give you 20 watts output and a good GASFET preamp and converter for receive.

Gary

--

Gary Coffman KE4ZV	"If 10% is good enough	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	for Jesus, it's good	uunet!rsiatl!ke4zv!gary
534 Shannon Way	enough for Uncle Sam."	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-Ray Stevens	

Date: 16 Oct 1993 01:05:47 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!sdd.hp.com!
col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!rkarlqu@network.ucsd.edu
Subject: CFA (Cross-Field-Antenna) co-inventor fights back
To: info-hams@ucsd.edu

In article <jab.750698846@hpuerca>, Alan Barrow <jab@hpuerca.atl.hp.com> wrote:

>

>If this is who I think it is (Dr Ken Corum), then the secretive nature may
>be due to Government contracts. He is a coworker of mine in Chelmsford Mass.

>

>They are also working on other US Gvt contracts that he could not
>discuss. He did have lots of neat pictures of ball lightning they are
>generating as a side effect of their work. Go figure.

Oh, yes, ball lightning. Shades of the Tesla society!
They built a 100 foot diameter Tesla coil and could not get ball
lightning. How did these guys do it?

>These guys are hard core magnetic mode antenna physics types. Nearly all
>RF antenna theory I have ever seen is E field oriented, so I am not
>surprised that we (collectively) do not understand their work.
>
>BTW- with regard to conservation of energy, Most VLF and even MF/HF antennas
>are inefficient. Why is it hard to believe that someone could build a
>more efficient design? I discussed an 80m version with him, and I was

That is a straw man. No one said (speaking for myself) that someone
couldn't build an more efficient small antenna. What we are saying
is that any such antenna would have to have extremely high Q and
extremely narrow bandwidth. This was proven in 1959 by Harold Wheeler
in his paper in Proc. IRE (I'll get you the exact reference if you
want to read it). Wheeler's calculations are independent of
the shape and construction of the antenna and apply equally well
to "E-field oriented" as well as "H-field oriented" antennas
or whathaveyou. He simply gives a formula that tells you the minimum
antenna Q vs. efficiency given the size of the antenna expressed
(in wavelengths) in terms of the smallest sphere it will fit into.
His formula is one of those all encompassing implementation-independent
constraints like Shannon's communication channel speed limit.
Or relativity.

Antennas such as the Isolooop have already hit this limit. It has
reasonable efficiency, is quite small, but is painfully narrow band.
You could go ahead and invent an even smaller one if you like but
it will be even more narrowband (assuming it is equally efficient).

I will say this much for "magnetic" mode antennas: you don't run
into corona problems when you try to miniaturize them like you
do with "electric" field antennas. So they got that much right.
Err... maybe they didn't if they are generating ball lightning.

Rick N6RK
rkarlqu@scd.hp.com

Date: Thu, 14 Oct 93 09:26:00 -0600
From: tadpole.com!news.dell.com!swrinde!menudo.uh.edu!nuchat!cld9!

mario.campos@uunet.uu.net
Subject: Imminent Death of Ham
To: info-hams@ucsd.edu

Quoting MONSOOR@NEXTNET.CSUS.EDU to ALL concerning Imminent Death of Ham:

MO>I understood that one(1) break was used when wanting to be a part of the QSO,
MO>that two(2) Breaks were
MO>a sign that you had a non-life threatening situation to report (patch) and
MO>three(3) BREAKS were
MO>to be used for a life threatening emergency you needed to report?

Matt,
In this part of Calif. and, in general, you drop your Call if you want to participate in the conversation....break is used to have people clear the freq for emergency traffic!

Message written at 8:52am, on Thursday, October 14, 1993.

* Apex v4 * Vitamin C deficiency is apauling.
* CIS 73132,2211 - mario.campos@nitelog.com - N6ALS@K6LY.#NOCAL.CA.USA.NA
* [R2.00o] * Usenet * Nitelog BBS * Monterey CA * 408-655-1096

Date: Tue, 12 Oct 1993 15:29:46 GMT
From: microsoft!wingnut!edmitch@uunet.uu.net
Subject: Imminent Death of Ham Radio: 2m HT in Penney's Christmas Catalog
To: info-hams@ucsd.edu

More than a decade ago, the old Sears Catalog carried some amateur 2 mtr gear. Amateur Radio survived.

I understand the JC Whitney Catalog has carried a 2 mtr amateur transceiver during the past year. To the best of my knowledge Amateur Radio has not yet died.

Radio Shack has been carrying Amateur gear for what, 3 years now? Still now signs of death.

I work in the radio communications area and I can assure you that there are far, far greater threats to Amateur Radio access to spectrum than a few catalogs carrying ham gear. Most hams forget, for example, that our UHF freq allocations are "junk" bands that are unsuitable for paying customers. 420-450 is shared

by a variety of radar services (and 420-430 is inaccessible to those of us north of line "A"). Lucky you if you don't live near a military airfield or soon to come civilian doppler wind shear detection radar (448-450). 902-928 is shared with lots of other things, including Pacific Telephone's TeleTrac high powered vehicle location system, and in LA, I'm told, has told the hams to take it hike off this band. 2.4 GHz is already shared with microwave ovens; by late next year expect a flood of frequency hopping SS data transceivers (I do mean a *flood* - lotsa of 'em coming). Lots of "sharing" going on can negatively impact our ham access to spectrum (although on the flip side, it may guarantee us access since these are pretty noisy bands unsuitable for others).

Lastly, everyone else is rapidly going digital (cellular TDMA, CDMA, digital PCS, etc). Expect to see the "refarming" of the old Landmobile frequencies to turn them into digital voice networks, squeezing perhaps 6 signals per 25 kHz channel. Once that is done, take a look back at the ham bands which are still using 20 to 30 kHz narrowband FM. We will, unfortunately look pretty funky! About then, someone is bound to suggest that if the FCC shrunk our bands by say a factor of 4 (e.g. 144-145 MHz instead of 144-148) and we all went digital, well, we'd have more channels than we did before! Don't laugh! These are just the kind of strange arguments that should be a little scary to you!

Don't waste too much emotional energy on worrying about whose selling ham gear. There are bigger things to worry about!

Ed Mitchell

KF7VY@WOLVJ.WA.USA

edmitch@aol.com

edmitch@microsoft.com

"These opinions are my own and do not reflect the opinions of my employer."

Date: Sat, 16 Oct 1993 20:49:47 GMT

From: swrinde!cs.utexas.edu!math.ohio-state.edu!howland.reston.ans.net!

noc.near.net!news.tufts.edu!pearl.tufts.edu!rfeldber@network.ucsd.edu

Subject: magnetic fields from gear

To: info-hams@ucsd.edu

I am thinking about getting back on the air after a ten year absence. However, I am a bit concerned about magnetic fields coming off my gear. My old Kenwood TS-520s used to throw a relay on my furnace a full 30 feet away from the rig! I never thought about it at the time, but now it gives me some pause. Is the

new

gear any better? Are there some rigs better than others? I would appreciate any comments direct to my E-mail address, since I rarely get into this newsgroups. Thanks for the help
Ross F.

Date: 15 Oct 93 20:13:44 GMT
From: sgigate.sgi.com!sgiblab!sdd.hp.com!math.ohio-state.edu!
howland.reston.ans.net!spool.mu.edu!uwm.edu!caen!usenet.cis.ufl.edu!
usenet.ufl.edu!zeno.fit.edu!pablo@RUTGERS.EDU
Subject: Need 10 codes list....
To: info-hams@ucsd.edu

I'm just new to this stuff, and I'd like 2 see if someone could send me the 10-code list.

I'd really appreciate it.....

bye....Pab.

Date: 17 Oct 93 06:41:10 GMT
From: news.centerline.com!noc.near.net!news.delphi.com!BIX.com!arog@uunet.uu.net
Subject: Problems charging after market battery with Yaesu NC-15 charger
To: info-hams@ucsd.edu

Hello Marc.... I've got the NC-15 and the WW batteries as well.

Try cleaning the contacts on both the battery and the charger.
I know, you already did. Try a rubber pencil eraser, if you haven't already.

If that doesn't do it, then e-mail me your voltages and I'll measure mine to compare them to.

Alan
W6spk
arog@Bix.com

Date: Sun, 17 Oct 1993 06:55:39 GMT
From: library.ucla.edu!agate!spool.mu.edu!news.clark.edu!netnews.nwnet.net!henson!
n7949188@network.ucsd.edu
Subject: This loving community of hams...

To: info-hams@ucsd.edu

One of the things that has always attracted me to amateur radio is the fact that although we may be very different on politics, religious belief, sexual orientation, ethnicity, and just about anything else, we could be friendly and respectful of one another. In the terms of the Quakers, it's being able to "see the light of God within each person." For the most part, I still see this spirit of acceptance or at least tolerance. Some choose to not enter into the distasteful squabbling, while others try to shed gentle reminders of our higher purpose. Yet others seem to have been waiting for this opportunity to express their disrespect if not hatred toward other hams and citizens.

I share the sentiment that letting all hams communicate, including placing ads in our various publications, is respectful and appropriate. It is certainly not forcing the rest of us to do anything. Whether you are turned off by boring QSOs, slow speed CW, high tech jargon, or personal information about hams - it's your problem, not their's - and should remain with you.

It's the reactions that are becoming the blight on our hobby more than the initial posting or ad. Let's remember we are here primarily for amateur radio but if that's all we ever can talk about we are being unnecessarily limited.

In peace,

John Hatten

N7BWX

None (of your)

None (of your)(N of your BeesWaX)

N7BWX (Northern BeesWaX)

--

```
+-----+-----+
|John Hatten N7BWX      | Consider the postage stamp. It secures |
|n7949188@henson.cc.www.edu | success by sticking to one thing until |
|Bellingham, WA        | it gets there.           Josh Billings |
+-----+-----+
```

Date: Thu, 14 Oct 1993 14:48:47 MDT

From: tribune.usask.ca!kakwa.ucs.ualberta.ca!alberta!adec23!ve6mgs!

usenet@decwrl.dec.com

Subject: US License Examination Opportunities Scheduled 10/14/93 to 1/13/94

To: info-hams@ucsd.edu

AMATEUR RADIO EXAMINATION OPPORTUNITIES

Special Note: Amateur Radio licenses usually arrive between 8 and 10 weeks after the test session. The FCC considers their processing time to be 90 days--from the date they receive the application. The FCC usually receives the application one to two weeks after the test session (once the VE Team and the coordinating VEC have completed their processing).

Note: Codeless Technician to Technician w/HF upgraders (who pass a Morse code test) will not receive a new license from the FCC. The existing Technician license plus the CSCE conveying the Morse code test credit is the only documentation issued for use of the additional HF privileges.

The following test session information is provided by the ARRL/VEC for the upcoming six to eight week period. For further information, please contact the test session CONTACT PERSON at the telephone number provided. If necessary, you may contact the ARRL/VEC at 203-666-1541 x282 for additional information. Electronic mail may be forwarded to the ARRL/VEC via USENET at "bjahnke@arrl.org" or via MCI Mail to MCI ID: 215-5052.

Although the test session information presented here does not indicate whether walk-ins are accepted or not, most test sessions do allow walk-ins. We encourage you, however, to always contact the CONTACT PERSON at the telephone number provided so that the VE Team is aware that you be attending the test session.

STILL NEED TO PREPARE FOR YOUR EXAM?

If you would like information on how to become licensed; or how to locate Amateur Radio clubs, instructors, licensing classes and/or Novice examiners in your area; please contact the ARRL Educational Activities Department (EAD) at 203-666-1541 x219. The EAD can also provide information on recommended study materials. Electronic mail may be forwarded to the ARRL EAD via USENET at "rwhite@arrl.org" or via MCI Mail to MCI ID: 215-5052.

EXAM LISTINGS - DEFINITION OF FIELDS

STATE

Test Date, VEC, City, , Contact Phone, Contact Person

The SECOND field in the following listing specifies the VEC which is coordinating this examination. This single-character designator denotes the VEC as defined below. An "A" (for example) indicates that this examination is coordinated by the ARRL/VEC.

For further information on any examinations listed, or if you do not find any examinations listed for your area, you may contact any of the coordinating VECs below.

A = ARRL/VEC, 225 Main St, Newington, CT 06111; (d) 203-666-1541
The 1993 Test Fee is \$5.60.

X = Anchorage ARC, 2628 Turnagain Parkway, Anchorage, AK 99517;
(d) 907-786-8121, (n) 907-243-2221 (or) 907-276-5121
(or) 907-274-5546

C = Central Alabama VEC, 1215 Dale Dr SE, Huntsville, AL 35801;
205-536-3904

N = Charlotte VEC, 227 Bennett Ln, Charlotte, NC 28213;
704-596-2168

D = Great Lakes ARC VEC Inc., PO Box 273, Glenview, IL 60025;
708-486-8019

E = Golden Empire ARS, PO Box 508, Chico, CA 95927; No phone.

G = Greater Los Angeles ARG, 9737 Noble Ave, Sepulveda, CA 91343;
818-892-2068, 805-822-1473.

J = Jefferson ARC, PO Box 24368, New Orleans, LA 70184-4368; No phone

K = Koolau ARC, 45-529 Nakulua St, Kaneohe, HI 96744;
808-235-4132

L = Laurel ARC Inc., PO Box 3039, Laurel, MD 20709-0039;
(d) 301-572-5124, 301-317-7819, (n) 301-588-3924

M = The Milwaukee RAC Inc., 1737 N 116th St, Wauwatosa, WI 53226;
414-774-6999. Test fee for 1993 is \$5.00.

H = Mountain ARC, PO Box 10, Burlington, WV 26710; 304-289-3576,
301-724-0674

P = PHD ARA Inc., PO Box 11, Liberty, MO 64068; 816-781-7313

R = Sandarc-VEC, PO Box 2446, La Mesa, CA 91943-2446; 619-465-3926

S = Sunnyvale VEC ARC, PO Box 60307, Sunnyvale, CA 94088-0307;
408-255-9000

T = Triad Emergency ARC, 3504 Stonehurst Pl, High Point, NC 27265;
919-841-7576

W = Western Carolinas ARS VEC, 5833 Clinton Hwy - Suite 203,
Knoxville, TN 37912-2500; 615-688-7771.
The 1993 Test Fee is \$5.60.

5 = W5YI-VEC, PO Box 565101, Dallas, TX 75356-5101; 817-461-6443
The 1993 Test Fee is \$5.60.

EXAMINATION OPPORTUNITIES OUTSIDE THE UNITED STATES:

BAHAMAS

10/30/93,A,Bahamas,,809-368-2188,Robert Hagans

ENGLAND

10/27/93,A,England,,081-902-5995,Yves a g Remedios
11/06/93,A,Shefford England,,0462-812571,Leland Vandervort

GERMANY

10/23/93,A,Germany,,06561-18202,George L Hoke

GUAM

12/12/93,A,Adelup,,627-646-7611,Harry Y Taguchi

SAIPAN

10/17/93,A,Saipan,,670-233-8747,Rod dm Cruz

US VIRGIN ISLANDS

11/13/93,A,ST Thomas,,809-774-6663,Kluas Willems
01/08/94,A,St Croix,,809-778-3156,Frank Jaeger

*EOF

End of Info-Hams Digest V93 #1232
